

## ENTERED

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/830,433A

DATE: 02/26/2002 TIME: 14:08:31

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Output Set: N:\CRF3\02262002\I830433A.raw

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3 <110> APPLICANT: AUJAME et al.
 6 <120> TITLE OF INVENTION: Nucleic acids and polypeptides specific for pathogenic
         strains of the Neisseria genius
 9 <130> FILE REFERENCE: P07180US00/BAS
11 <140> CURRENT APPLICATION NUMBER: 09/830,433A
12 <141> CURRENT FILING DATE: 2001-04-26
14 <150> PRIOR APPLICATION NUMBER: FR 98 13 693
15 <151> PRIOR FILING DATE: 1998-10-30
17 <160> NUMBER OF SEQ ID NOS: 129
19 <170> SOFTWARE: PatentIn Ver. 2.1
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40 Leu Ile Ala Asn Ala Tyr Asp Ala Cys Ala Thr Glu Val Glu Val Arg
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44 Leu Phe Asp Lys Pro Glu His Lys Ile Val Ile Lys Asp Asn Gly Ile
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60 Ile Glu Ile Ser Thr Ile Gln Gly Asn Glu Arg Val Thr Phe Thr Leu
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63 gat tat gca gag att cga aga agc aag ggt att tat caa ccg gag ttt





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171 172 173 175 176 177 178 180 181 182 184 185 186 188 190 192 193 194 196 197 198	<220 <221 <400 atg Met 1 gac Asp tta Leu ggc Gly ttg Leu 65 ccc Pro	O> FIL> NA 2> LC O> SI aaa Lys aaa Lys cac His Glu 50 gat Asp aat Asn	EATURAME/RAME/ROCATION CACHIS Leu aaa Lys cgt Arg ttt Phe gcc Ala	RE: (EY: ION: tta Leu cta Leu 20 atg Met gtc Val tac Tyr caa Gln	CDS (1) 3 ctc Leu 5 acc Thr tta Leu cat His ctg Leu atc Ile 85	atc Ile gaa Glu cct Pro ctt Leu tcc ser 70 ggc Gly	gat Asp aat Asn att Ile gtc Val 55 tat Tyr ata Ile	ttt Phe acc Thr agt Ser 40 cag Gln tac Tyr	gaa Glu cat His 25 ctg Leu tta Leu ctc Leu	aac Asn 10 att Ile gtg Val caa Gln gga Gly cgt Arg 90	tgg Trp caa Gln aaa Lys caa Gln 75 gat Asp	Cln Cta Leu tcc Ser acg Thr 60 att Ile gga Gly	Pro ttt Phe cta Leu 45 ggg Gly acc Thr gga Gly	Gln ata Ile 30 cta Leu aaa Lys gcc Ala tac Tyr	Asn 15 ggt Gly cgt Arg aac Asn aca Thr gat Asp 95	ttc Phe gca Ala gac Asp 80 gtt Val	96 144 192 240 288
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/830,433A

DATE: 02/26/2002 TIME: 14:08:31

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Output Set: N:\CRF3\02262002\I830433A.raw

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	Leu																
206			115		-			120			•		125				
208	ccg	tca	gca	ttg	ctg	gaa	aac	act	cct	cag	cct	gaa	acc	acc	ctc	aaa	432
	Pro																
210		130					135					140				-	
212	cca	cag	caa	cca	tta	act	tcc	tat	ttc	caa	gca	gcc	cta	act	gca	ctg	480
	Pro	-									_	-			-	-	
	145					150		-			155					160	
216	cgc	cgc	ccc	gac	gct	ttc	cgc	ccc	tgc	cgc	ctg	cat	aac	ctg	cga	caa	528
	Arg	_		-	-		_		_	_	_			_	_		•
218	_	_		_	165		_		_	170					175		
220	aat	ctg	cgt	aag	cat	att	ttg	agt	gat	ttg	ttt	aaa	gaa	aaa	acc	gat	576
221	Asn	Leu	Arg	Lys	His	Ile	Leu	Ser	Asp	Leu	Phe	Lys	Glu	Lys	Thr	Asp	
222			-	180					185			_		190		_	
224	gaa	gaa	tgc	gaa	ata	acc	act	gct	aac	gtt	atc	aat	aaa	ctc	aaa	gca	624
225	Glu	Glu	Cys	Glu	Ile	Thr	Thr	Ala	Asn	Val	Ile	Asn	Lys	Leu	Lys	Ala	
226			195					200					205				
228	caa	aac	ttc	atc	agc	att	gat	gaa	cag	gaa	acc	gtt	tcc	tac	cat	ctc	672
229	Gln	Asn	Phe	Ile	Ser	Ile	Asp	Glu	Gln	Glu	Thr	Val	Ser	Tyr	His	Leu	
230		210					215					220					
232	agt	gat	aat	gat	ttg	tta	çaa	aga	atc	caa	cgc	cat	att	tta	agc	caa	720
233	Ser	Asp	Asn	Asp	Leu	Leu	Gln	Arg	Ile	Gln	Arg	His	Ile	Leu	Ser	Gln	
234	225					230					235					240	
236	cgt	ccc	aaa	acc	tac	gct	gat	ttt	caa	gcc	gtc	gtg	caa	aac	cga	gca	768
237	Arg	Pro	Lys	Thr	Tyr	Ala	Asp	Phe	Gln	Ala	Val	Val	Gln	Asn	Arg	Ala	
238					245					250					255		
240	gat	gca	ctt	cac	tta	aca	gtc	ggt	acc	aac	gac	att	caa	tcc	ttt	gcg	816
241	Asp	Ala	Leu	His	Leu	Thr	Val	Gly	Thr	Asn	Asp	Ile	Gln	Ser	Phe	Ala	
242				260					265					270			
244	cga	cat	ttg	cgc	gac	caa	aac	ctg	atc	cgc	caa	aac	aat	ggg	aaa	att	864
	Arg	His	Leu	Arg	Asp	Gln	Asn	Leu	Ile	Arg	Gln	Asn	Asn	Gly	Lys	Ile	
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	Ile	Ala	Ala	Leu		Leu	Lys	Asn	Arg		Asn	Lys	Thr	Lys		Leu	
258					325					330					335		
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	Arg	Asn	Thr		Gln	Ala	Leu	Thr	_	Ser	Asn	Ala	Gln		Thr	Asp	
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	aaa														tga		1101
	Lys	Leu		Gln	His	Leu	Gln	_	Asp	Pro	Ser	Pro		$\mathtt{Tyr}$			
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RAW SEQUENCE LISTING DATE: 02/26/2002 PATENT APPLICATION: US/09/830,433A TIME: 14:08:31

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/830,433A

DATE: 02/26/2002 TIME: 14:08:32

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